

Mouse anti-Mouse, Rat Versican Monoclonal Antibody | anti-Vcan antibody

Versican Antibody: HRP

CATALOG # AAA103435	HOST Mouse	REACTIVITY Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

Versican; Monoclonal Antibody; Versican Antibody: HRP; Chondroitin sulfate proteoglycan 2; CSPG2; ERVR; GHAP; PG-M; VCAN; Chondroitin sulfate proteoglycan core protein 2; Glial hyaluronate binding protein; Glial hyaluronate-binding protein; Large fibroblast proteoglycan; anti-Vcan antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	S351-23
Form/Format	Protein G Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	368
Applicable Applications for anti-Vcan antibody	ICC (Immunocytochemistry), WB (Western Blot)
Conjugate	HRP
Storage Buffer	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Preparation and Storage	-20 degree C/ 1yr

IMAGES



WB (Western Blot)

Western Blot analysis of Rat Brain Membrane and brain showing detection of 350kDa Versican protein using Mouse Anti-Versican Monoclonal Antibody, Clone S351-23. Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane and brain. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Versican Monoclonal Antibody at 1:200 for 16 hours at 4 degree C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: KPL TMB. Predicted/Observed Size: 350kDa. Other Band(s): Multiple other bands.

ADDITIONAL INFORMATION

Related Product Information for anti-Vcan antibody	Background Info: Detects >350kDa Scientific Background: Versican (chondroitin sulfate proteoglycan 2) is a large extracellular matrix proteoglycan involved in cell growth and differentiation. Important as a structural molecule, versican creates loose and hydrated matrices during key events in development and disease. The protein contains hyaluronic acid and glycosaminoglycan-binding domains, epidermal growth factor-like repeats, a Lectinlike sequence and a complement regulatory protein-like domain. Splice variants differ greatly in length and degree of modification by glycoaminoglycan chains. Accumulation around smooth muscle cells in lesions of athero-sclerosis suggests a role for versican in atherogenesis. Versican, differentially expressed in human melanoma, plays a role in tumor development and may be a reliable marker for clinical identification. The organization of HA- and versican-rich pericellular matrices may facilitate migration and mitosis by diminishing cell surface adhesivity and affecting cell shape through steric exclusion and the viscous properties of HA proteoglycan gels.
Product Categories/Family for anti-Vcan antibody	Scaffolds
References	1. Dours-Zimmermann M.T. and Zimmermann D.R. (1994) J. Biol. Chem. 52: 32992-32998. 2. Evanko S.P., Angello J.C. and Wight T.N. (1999) Arterioscler. Thromb. Vasc. Biol. 4:1004-1013. 3. Lemire J.M., et al. (1999) Arterioscler. Thromb. Vasc. Biol. 7: 1630-1639. 4. Wight T.N. (2002) Curr. Opin. Cell Biol. 5: 617-623. 5. Touab M., Villena J., Barranco C., Arumi-Uria M. and Bassols A. (2002) Am. J. Pathol. 2: 549-557.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66396517
NCBI GeneID	13003
UniProt Accession #	Q62059 ; Q62058 ; Q9CUU0
Molecular Weight	74,177 Da
NCBI Official Full Name	Versican
NCBI Official Synonym Full Names	versican
NCBI Official Symbol	Vcan
NCBI Official Synonym Symbols	NG2; hdf; PG-M; Cspg2; DPEAAE; PG-M(V0); PG-M(V1); 9430051N09; 5430420N07Rik
NCBI Protein Information	versican core protein; heart defect; PG-M core protein; large fibroblast proteoglycan; chondroitin sulfate proteoglycan 2; chondroitin sulfate proteoglycan core protein 2; Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M)
UniProt Protein Name	Versican core protein
UniProt Gene Name	Vcan
UniProt Synonym Gene Names	Cspg2; Chondroitin sulfate proteoglycan 2
UniProt Entry Name	CSPG2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/versican-antibody-clone-s351-23-immunocytochemistry-western-blot-elisa/103435>